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APPENDIX A

REACTIVITY OF COMMERCIALLY AVAILABLE CROSS-LINKERS

	Reactive Towards					Cleavable By			
Double-Agent Cross-Linker Acronym	-NH ₂ Aminos	-SH Sulphydryls	Carbohydrates	Non- selective (Photo- reactive)	-COOH Carboxyls	Thiols	Base	Periodate	Hydroxylamine
ABH			X	X					
ANB-NOS	X			X					
APDP		X		X		X			
APC				X					
ASIB		X		X					
ASBA				X	X				
BASED				X		X			
BS ¹	X								
BMI		X							
BSOCOS	X						X		
DFDNB	X								
DHA	X								
DHP	X								
DMS	X								
DPDPB		X				X			
DSG	X								
DSP	X					X			

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Double-Agent Cross-Linker Acronym	Reactive Towards					Cleavable By			
	-NH ₂ Amino	-SR Sulphydryl	Carbohydrates	Non- selective (Photo- reactive)	-COOH Carboxyls	Thiols	Base	Periodate	Hydroxylamine
DSS	X							X	
DST	X					X			
DTBP	X					X			
DTSSP	X								
EDC	X				X				X
EGS	X								
GMBS	X	X							
HSAB	X			X					
LC-SPDP	X	X							
NBS	X	X				X			
H ₂ C ₂ H		X	X						
HPBH		X	X						
NHS-ASA	X			X					
PDPH		X	X			X			
PNP-DTP	X			X					
SADP	X			X		X			
SAED	X			X		X			
SAND	X			X		X			

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		Reactive Towards					Cleavable By			
Doubl. gent Cross-linker Acronym	-NH ₂ Amines	-SH Sulphydryls	Carbohydrates	Non- selective (Photo- reactive)	-COOH Carboxyls	Thiols	Base	Periodate	Hydroxylamine	
SANPAH	X			X						
SASD	X			X		X				
SDBP	X									
SIAB	X	X								
SMCC	X	X								
SHBP	X	X								
SHPT	X	X								
SPDP	X	X				X				
Sulfo-BSOCOES	X						X			
Sulfo-DST	X							X		
Sulfo-EGS	X								X	
Sulfo-GHBS	X	X								
Sulfo-HsAB	X			X						
Sulfo-LC-SPDP	X	X				X				
Sulfo-MBS	X	X								
Sulfo-NHS-ASA	X			X						
Sulfo-NHS-LC-ASA	X			X						
Sulfo-SADP	X			X		X				

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	Reactive Towards						Cleavable By			
	-NH ₂ Aminos	-SH Sulphydryls	Carbohydrates	Non- selective (Photo- reactive)	-COOH Carboxyls	Thiols	Base	Periodate	Hydroxylamine	
Double-Agent Cross-linker Acronym										
Sulfo-SAMCA	X			X						
Sulfo-SANPAH	X			X						
Sulfo-SAPB	X			X						
Sulfo-SIAB	X	X								
Sulfo-SMCC	X	X								
Sulfo-SMBP	X	X								
Sulfo-LC-SMPT	X	X								

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